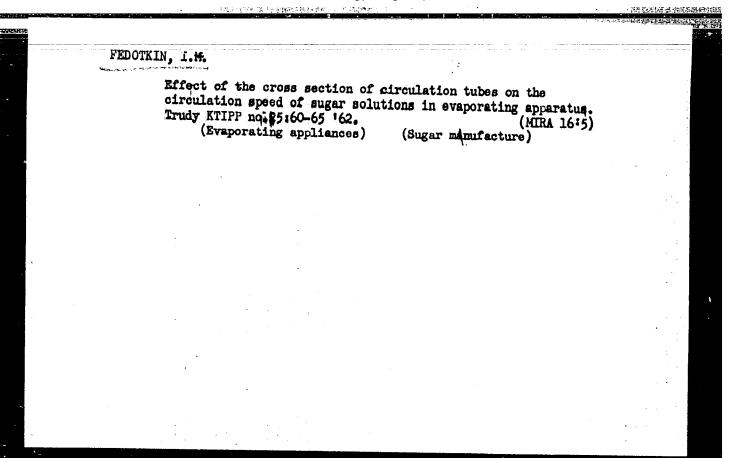
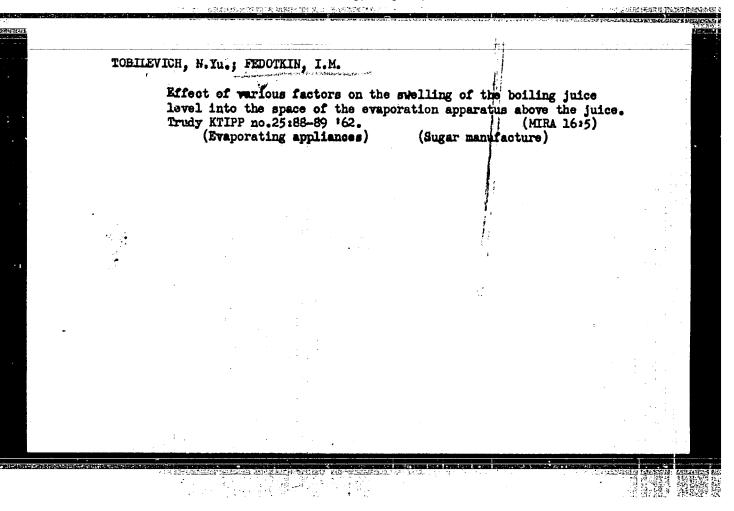
FEDOTKIN, I.M.; TOBILEVICH, N.Yu.

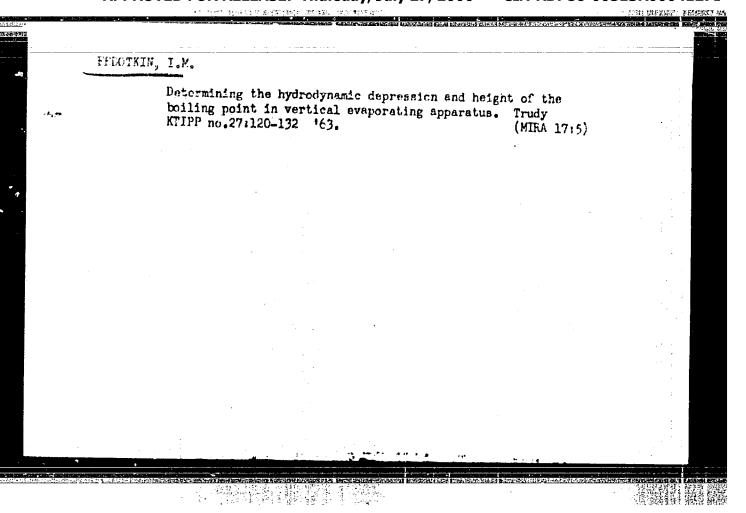
Hydraulic and thermal irregularities of the pipe bundles of evaporation and concentration apparatus. Izv.vys.ucheb.zav.; pishch.tekh. no.3:123-128 *62. (MIRA 15:7)

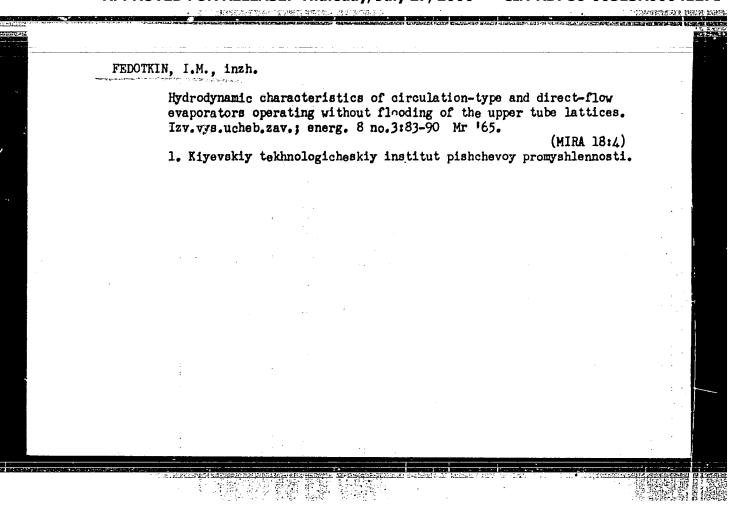
1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra spetsoborúdovaniya.

(Evaporating appliances)









FEDOTKIN, I.M., kand. tekhn. nauk, dotsent

Various forms of dropping motion in boiling tubes of vertical evaporators. Izv. vys. ucheb. zav.; energ. 7 no.12:74-83 D 164. (MIRA 18:2)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti. Predstavlena kafedroy spetsial'nogo oborudovaniya.

KONSTANTINOV, S.M., kand. tekhn. muk; FEDOTKIN, I.M., kand. tekhn. nauk

Bated relationship for the calculation of the values of the thermophysical characteristics of molasses stillage. Pisheb. prom. no.1:179-183 '65. (MIRA 18:11)

YUDITSKIY, D.G. [Judyts'kyi, D.H.]; FEDOTRIE, i.M.

Thermal and hydrodynamic testing of a tubular industrial cereal cooker. Khar. prom. no.3:28-33 JI-S '65. (KIRA 18:9)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041272

ACC NR. AR6023370 SOURCE CODE: UR/0274/66/000/003/. ^.5/A006

AUTHOR: Fedotkin, A. N.

TITLE: Some problems in the theory of statistical games and the optimal reception from communication channels

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 3A58

REF SOURCE: Uch. zap. Mordovsk. un-t, vyp. 30, 1965, 14-25

TOPIC TAGS: game theory, signal noise separation, information theory

ABSTRACT: A systematic utilization of the theory of games for the purposes of information-reception problem is attempted; the results of such an approach are discussed; the optimal reception of a binary code is calculated. The procedure of message reception is represented as a statistical game in which the observer tries to select his best action in the sense that it must correspond to the present true state; in his inevitable guessing errors, he tries to ensure a minimal loss of pay-off. The principle guiding the observer in the selection of his strategy is clarified. With known probabilities of states of the information source, the action can be based on minimization of average losses. The corresponding criterion and strategy turned out to be Bayesian. An examples of the detecting a constant-amplitude signal in a Gaussian noise is used as an illustration. Bibliography of 3 titles.

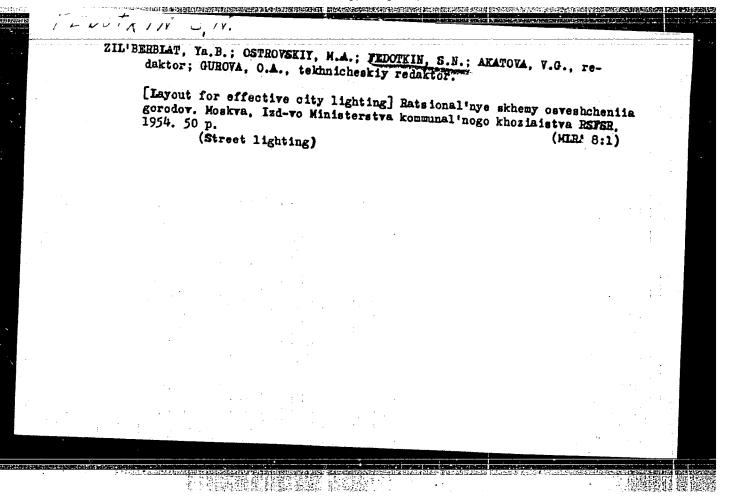
L. S. [Translation of abstract]

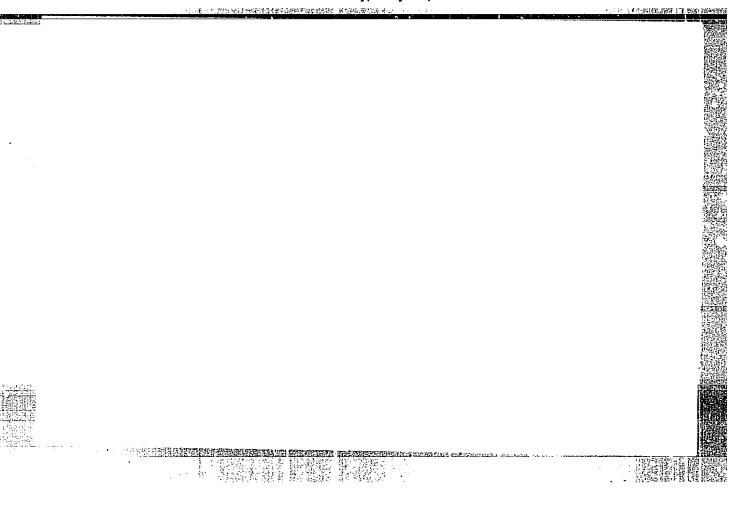
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UDC: 621.391.16

FEDOTKIN, S,N. 35292. Prizmaticheskiy Svetic'nik dlya osveshcheniya ulits. nauch. Trudy (Akad. Kommunal. Khoz-Ea Im. Pamfilova), vyp. 4-5, 1949, S. 67-73 SO: Letopis' Zhurnal'nykh Statey. Vol. 34, 1949 Moskva





FEDOTKINA, A. I. Cand Agr Soi -- (diss) " The simmenthalized cattle

of Belorussian Poless(ye and prospects of perfecting it." Minat, 1959

Streette/A

17 pp (All-Union Soi Res Inst of Animal Husbandry. Department of Catalon Raising),

150 copies (KL, 50-59, 128)

RAL'KO, V.A., Geroy Sotsialisticheskogo Truda; LORAHOV, A.P.; KURLYPO, M.F.; YANUSHEVSKAYA, M.S.; FEDOTKIHA, A.I.

Introducing scientific farm management on the "Stalin" Collective Farm. Zemledelie 7 no.8:6-11 Ag '59. (MIRA 12:10)

1. Predsedatel' kolkhosa imeni Stalina, Pinskogo rayona, Brestskoy oblasti (for Ral'ko). 2. Nauchno-issledovatel'skiy institut ekonomiki i organizatsii sel'skokhozyaystvennogo proizvodstva Akademii sel'skokhozyaystvennykh nauk BSSR (for Iobanov, Kurlypo, Yanushevskaya). 3. Belorusskiy nauchno-issledovatel'skiy institut zhivotnovodstva (for Fedotkina).

(White Russia -- Collective farms)

FEDOTKINA, R.Ya.

Effect of preplanting treatment of seeds with the trace elements manganese and chromium and hydrogen peroxide on the plant uptake of ash elements and the chemical composition of corn grain. Izv. Alt. otd. Geog. ob-va SSSR no.5:142-144.

165. (MIRA 18:12)

1. Gorno-Altayskiy padagogicheskiy institut.

Agronomist Maraerov's valuable suggestion. Hauka i pered.op.v.
sel'khoz. 9 no.12:54-55 D '59. (MIRA 13:4)

1.Saratovskiy ekonomicheskiy institut.
(Sugar beets)

FEDOTOV, A., kapitan-leytenant

For each, a matter according to spirit and abilities. Komm. Vooruzh. Sil 46 no.20:59-61 0 '65.

(MIRA 18:12)

BARDIN, I.P., akademik, otv.red. [deceased]; LYUDOGOVSKIY, G.I., zem. otv.red.; PUSTOVALOV, L.V., red.; FEDOTOV, A.A., red.; GERBOV, V.L., red.; OVCHININSKIY, N.V., red.; SHLEPOV, V.K., red.izd-va; SUSHKOVA, L.A., tekhn.red.

[Development of ferrous metallurgy in areas to the east of the Lake Baikel] Problemy resvitiis chernoi metallurgii v raionakh vostochnee oz. Baikal. Moskva, 1960. 190 p.

(MIRa 14:2)
1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh
sil. 2. Chlen-korrespondent AN SSSR (for Pustovalov).
(Siberia, Hastern-Iron industry)

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	Helisticate A.I. and A.J. Inventrator. On the Problem of Conversion . 227 **Electric Carl Live Into Stori. **Addition. A.A. Effectiveness of Epiropen Production From Flue Owers . 26 **Of Electric Los-Shaft Parasets	the Section with their artillations is given in the Appendix, Seffences encompany erroral of the articles. **Section Section of the articles. **Section Section of Section States and Prospects of Dillection of Merican Section of Section States and Section States are states. **Section Section States Section States In the Development of Section Section States Section Sect	Corresponding memory, accounts, the Control of Corresponding Protect, Endows, A. Lackseng of Sciences USES, 1.5. Excitationary, Corresponding Protect, Agricultural Sciences, A.S. Paper, Mariet, Francis Cit. Pall Politic Activity of Agricultural Sciences, A.S. Paper, Mariet, Francis Committees of the Committee Paper, Paper, Paper, Paper, Paper, Committee of the Committee Relatives as Strain, A.D. Galaber, Sanker Flanning Committees of the Committee of the Committee Relatives as Strain, A.D. Galaber, Markers, Sanker Flanning Committees of the Committee Relatives, Professor; F.V. Vall'yer, Devices T. Economics, Condidate of Geology and Mineralogy, Condidate of Theorem. Paper and Mineralogy and Mineralogy, Condidate of Theorem. Paper and Mineralogy and Mineralogy, Committee of the Sciences F.A. Lacksor, Condidate of Geology and Mineralogy, Condidate of Theorem. Paper and Theorem	Examining ment SECR. Sever to imministy proisection of August 1 Mont EXPORTERS STATES And SECRETARY mentisty proisection of States 1 Courses mentisty proisection of States 1 Months 1 (Arrows Mentisty) Noncow, Indoor at SecRetary 1950. 275 p. (Arries: Barrity mentisty) Noncow, Indoor at SecRetary States 1 (Arrival Secretary 1950). Events ally inserted. 2,000 expire printed. Barrits ally inserted. 2,000 expire printed. Barrits ally inserted. 2,000 expire printed. Barrits 1 (A. Sacretary of Sciences 1, A. Months 1 Months 1 (Arrival Secretary 1950). Barrits 1 (B. Se

FEDOTOV, A.A.; BANNYY, N.P.; ROMENETS, V.A.

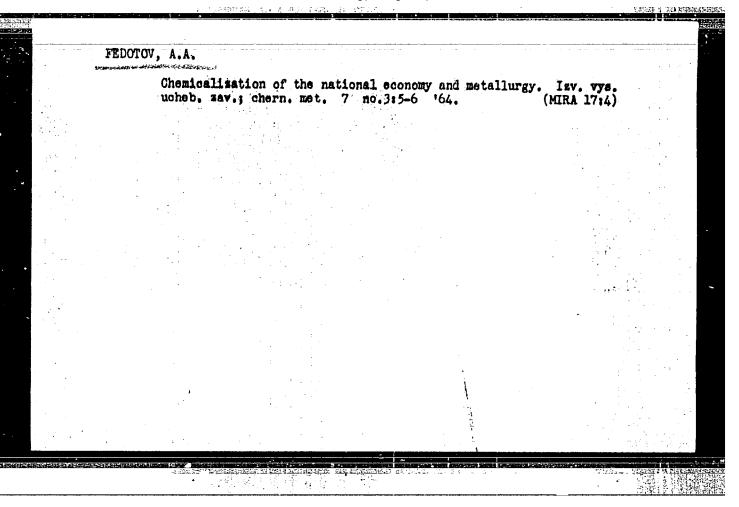
Analyzing the changes in the structure of the fuel balance of metallurgical plants in connection with the use of natural gas. Izv. vys. ucheb. zav.; chern. met. 6 no.11:230-240 163.

(MIRA 17:3)

FEDOTOV, A.A.; BANNYY, N.P.; ROMENETS, V.A.

Technical progress and tendency toward the full use of fuel in metallurgical plants. Izv. vys. ucheb. zav.; chern. met. no.1:201-208 '64. (MIRA 17:2)

1. Moskovskiy institut stali i splavov.



FEDOTOV, A. A.

Potentialities in metallurgy for the chemicalization of the national economy. Izv. vys.ucheb.zav.; chern.met.7 no. 5: 5-6 '64. (MIRA 17:5)

HANNYY, N.P.; ROMENETS, V.A.; FEDOTOV, A.A.

Methods of evaluating fuel; on the basis of gas fuel. Stal' 24 no.12:1134-1130 D '64. (MIRA 18:2)

1. Moskovskiy institut stali i splavov.

	FEDOTOV A.F.	3	
•	9/908/62/000/000/004/008 8163/8180		
	AUTHORS: Gagin, Ye. N., Kaminir, L. B., Molchanov, S. S., Orlovskiy, G. N., Pisarev, V. Yg., Pyshkin, B. N., Pedotov, A. P., Yakimenko, N. H.		
	SOURCE: System for electron injection into the chamber of the 680 Mev synchrotron SOURCE: Uskoritel' elektronov na 680 Mev; sbornik statey. Ed. by		
	Z. D. Andreyenko. Moscow, Gosatomizdat, 1962. 41-49 TEXT: The method is the same as in the Dubna 10 Bev proton synchrotron.		
	first quadrant almost at right angles to the magnetic field of the		
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	accelerating field is switched on direct injection is impossible, due to the design of the accelerator magnet and the high-voltage injector (injection energy 0.8 MeV). The electron beam from the Van de Graeff generator is first deflected by a magnetic 600 received (1.1)		•
	accelerating field is switched on direct injection is impossible, due to the design of the accelerator magnet and the high-voltage injector (injection energy 0.8 Mer). The electron has great and the field of the section to the design of the accelerator magnet and the high-voltage injector (injection energy 0.8 Mer). The electron has great at the section to the sec		
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:	accelerating field is switched on direct injection is impossible, due to the design of the accelerator magnet and the high-voltage injector (injection energy 0.8 MeV). The electron beam from the Van de Graaff generator is first deflected by a magnetic 60° sector field and then injected by three pairs of deflection plates for a total deflection of		

	THE PERSON OF TH
System for electron injection B/908/62/000/000/004/008 30°, into the synchrotron chamber. Between the Van de Greaff exit and the magnetic deflector there is a magnetic corrector consisting of two accelerated beam with respect to the geometrical axis. Directly behind to select short pulses of 1 µ sec. When switched off, the beam passes fluorescent screens. A double electrostatic corrector and two capacitore injector, which are in one of the beam in the deflectors of the Each plate can be separately adjusted by translation and mandation.	
Each plate can be separately adjusted by translation and rotation from outside without destroying the vacuum. The radius of curvature of the orbit in this deflection system is 60 on. The voltage across each pair instability of 2 · 10-7 rad in the radiul and 5 · 10-7 rad in the axial component of the injection angle produce an intensity loss of 20%. The Circuit diagrams are given for the d.c. amplifier and the rectifier for the reference voltage. There are 5 figures and 1 table. Card 2/2	

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	AUTHORS: Kaminir, L. B., Molchanov, S. S., Orlovskiy, G. B., Pyshkin, B. N., Fedotov, A. F., Yakimenko, M. M.				
	TITLE: Radiotechnical system of the 680 Mev accelerator				
	'SOURCE: Uskoritel' elektronov na 680 Mev; sbornik statey. Ed. Z. D. Andreyenko. Moscow, Gosatomizdat, 1962. 50-57	by			
26	TEXT: In the first acceleration stage, when the electron velocity is still low, a broad-band accelerating device is used consisting of a 55 cm drift tube and a section of coaxial line, whose input conductance compensates the capacitance of the tube. The equivalent oscillatory circuit has a wave resistance of 55 chm. The circuit is shunted by a resistance to broaden the transmission band. The acceleration per orbit is 250 v, the HF power 2 kw; in the first 10 msec the frequency increases from 19.2 - 20.4 mops. In the second stage, acceleration occurs with a constant frequency of 20.4 Mops, using a toroids1 resonator with a Q-factor of 2000, and wave resistance 6 chm. Acceleration per orbit is 15 ky, and				
	HP power dissipation 20 kw. The radiation less in the final stage is Card 1/2		÷		
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			Radiotechnical system of the	<u> </u>		
			about 10 kev per orbit. The timing of (injection pulse, magnetising current, stage) is controlled by pulses connecte signal electrodes indicates the intensi acceleration. There are 6 figures.	first and second accelerating of to delay circuits. A system of		
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FEDOTOV, A. F. Cand Med Sci -- (Age-related histomorphology of arteries of the muscular type im humans." Kiev, 1959. 16 pp (Kiev Order of Labor Red Banner Med Inst im Academician A. A. Bogomolets), 200 copies (KL, 52-59, 187)

-150-

BENDET, Ya.A. (Kiyev, ul.Gor'kogo, d.8.kv.15); FEDOTOV, A.F.

Clinical morphological observation of the results of ligation of the right pulmonary artery inta tuberculosis patient. Grud. khir: 2 no.5:98-99 S-0 '60. (MIRA 16:5)

1. Is kliniki torakal'noy khirurgii (sav. prof. N.M.Amosov) i patologomorfologicheskogo otdela (sav. starshiy nauchny sotrudnik V.F.Tur'yeva) Ukrainskogo nauchno-issledovatel'skogo instituta tuberkulesa imeni akademika V.G.Yanovskogo (dir. dotsent A.S. Mamolat). (PULMONARI ARTERY-LIGATURE)

GUEANOV, A.G.; SEVEROV, V.S.; OSINTSEVA, V.P.; FEDOTOV, A.F.

Use of porolon plombage in partial resections of the lungs in tuberculosis. Vest.khir. no.5:46-51 '61. (MIRA 15:1)

1. Iz Instituta tuberkuleza (dir. - prof. N.A. Shmelev) AMN SSSR i Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand.med.nauk A.S. Memolat). (LUNGS—SURGERY) (THERCULOSIS) (PLASTICS IN MEDICINE)

BEREZOVSKIY, K.K.; FEDOTOV, A.F.

Morphological changes in the bronchi at the level of surgical

Morphological changes in the broken as the broken as the fine incision with conservative pulmonary resection. Vrach. delo no.5: 62-68 My '61. (MIRA 14:9)

1. Ukrainskiy nauchno-issledovatel skiy institut tuberkuleza imeni skademika F.G. Yanovskogo.

(BRONCHI__SURGERY) (TUBERCULOSIS)

FEDOTOV, A.F.; BEREZOVSKIY, K.K.

Morphological reactions in the area of the application of a tantalum suture on the lung. Trudy NIIEKHAI no.5:65-73 '61. (MIRA 15:8)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza im. akad. F.G.Yanovskogo (g.Kiyev).

(SUTURES) (LUNGS--SURGERY)

GUBANOV, A.G., dotsent; FEDOTOV, A.F.

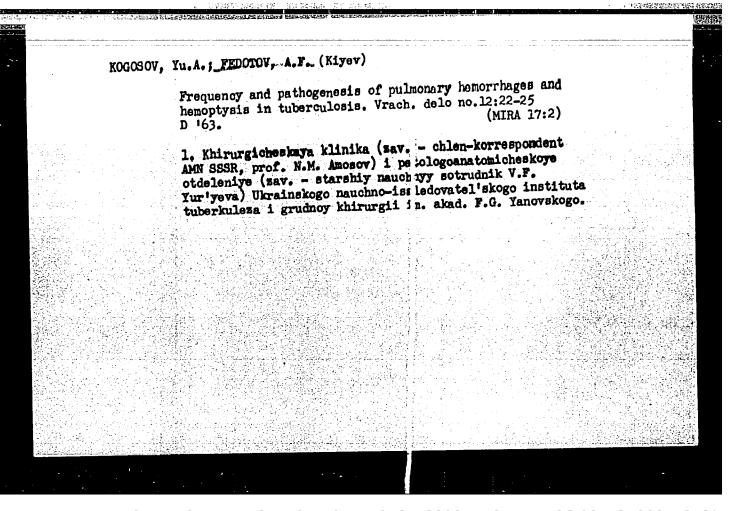
Intrapleural plombage with porolon in accceiation with pulmonary resection. Probl. tub. 39 no.3:44-49 '61. (MIRA 14:5)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza imeni F.G. Yanovskogo (dir. - kand.med.nauk A.S. Mamolat). (LUNGS—SURGERY) (LUNGS—COLLAPSE)

FEDOTOV, A.F., kand.med.nauk

Morphological changes in a lung following the ligation of the lung ertery. Sbor.nauch.trud.Kiev.okruzh.voen.gosp. no.4164-68 162.

(TUBERCULOSIS) (PULMONARY ARTERY—LIGATURE)



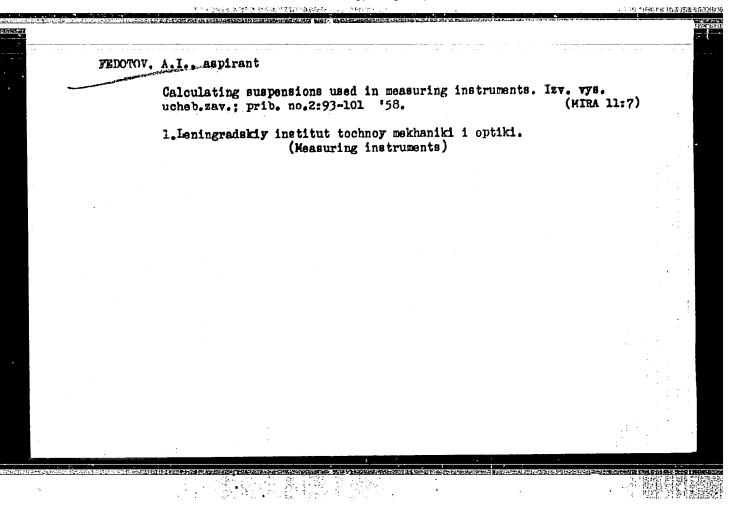
BERMAN, Lev Solomonovich; FEDOTOV, A.G., in:h., red.; GVIRTS, V.L., tekhn.red.

[Calculation of transients in transistors with large signals; lecture transcription] Rachet perekhodnykh proteessov v transistorakh pri bol'shikh signalakh; stenogramma lektsii. Leningrad, Leningradom nauchno-tekhn.propagandy, 1959. 38 p. (MIRA 13:2)

(Transistors)

FEDOTOV, Aleksandr Ivanovich; BORTYAKOVA, N.I., red.; PULIN, L.I., tekhn.red.

[Role of Tula workers in organizing industry, 1921-1925] Rol'
tul'skikh rabochikh v vosstanovlenii promyshlennosti, 1921-1925 gg.
Tul'skoe knizhnoe izd-vo, 1958, 106 p. (MIRA 12:2)
(Tula government--Industries)



TAYTS, Ye.I.; FEDOTOV, A.I.

Using diamond cutters in the instrument industry. Priborostroeniq no.9:23-24 S '62. (MIRA 15:9) (Instrument industry) (Diamonds, Industrial)

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KOSHUROV, B.V., kand. tekhn. nauk; PAVLYUCHUK, A.I.; TAYTS, Ye.I.; FEDOTOV, A.I.; VAKSER, D.B., red.; FREGER, D.P., red.izdva: BELOGUROVA, I.A., tekhn. red.

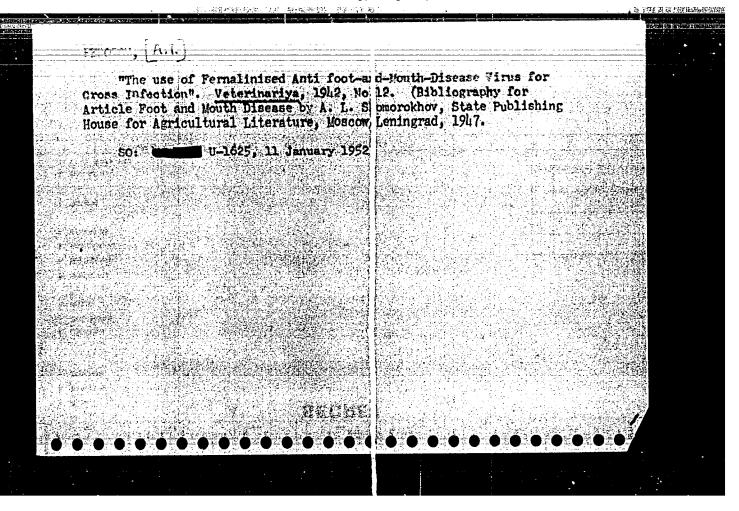
> [Use of diamond tools in the manufacture of machinery] Primenenie almaznogo instrumenta v mashinostroenii; stenogramma lektsii. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 30 p. (MIRA 16:7)

(Diamonds, Industrial) (Metal cutting)

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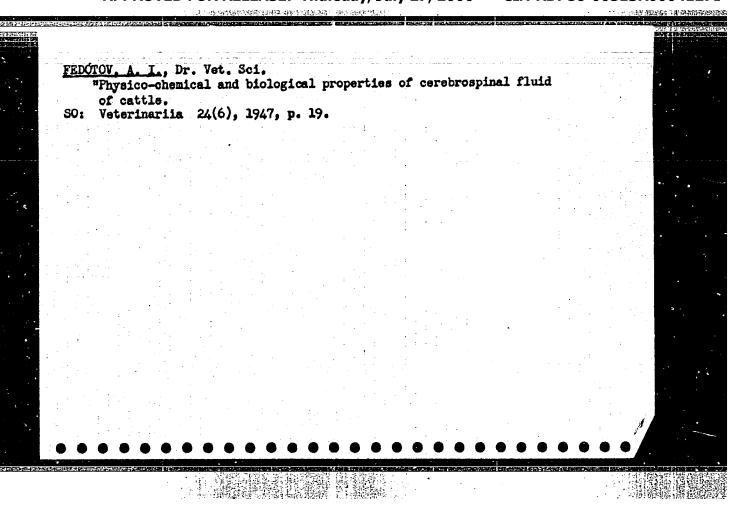
[Machining various materials with diamond tools] Obrabotka almaznymi reztsami razlichnykh materialov. Leningrad, 1965. 33 p. (MIRA 18:4)

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(This should probably be FEDOTOV, A. 1.

See Letopis Zhurnalnykh Statey, 1948, item 23761)

FA 31/49772

TURN/Medicine - Morses, Diseases Jun 18

Medicine - Tetanus, Antiserum

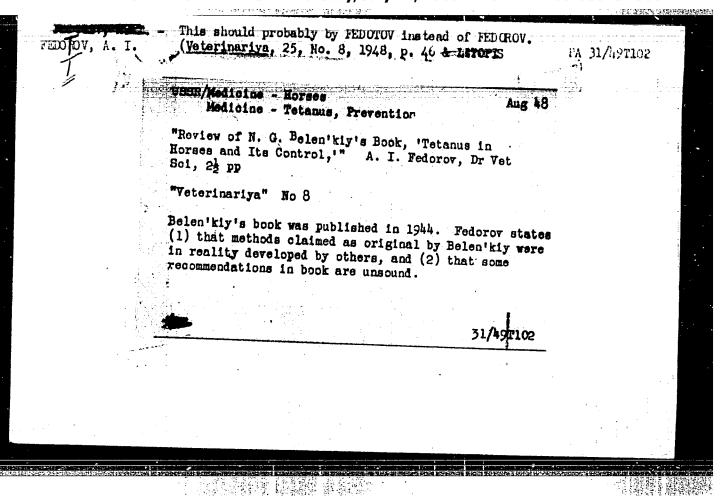
"A Cisternal Introduction of the Antitetanus
Serum for Treatment of Tetanus in Horses," A. I.

Fedofov, Dr Vet Sci, 22 pp

"Veterinariya" No 6

Describes technique in detail. When antitetanus
serum was administered internally along with the
corresponding symptomatic treatment, 90% of
cases recovered.

31/49772



FEDOTOV, A. I.

D. I. Rozhnov. Infektsionnaya anemiya loshadey (Infectious Anemia in Horses). Arkhangel'sk. 1950. 24 pages with illustrations. (Veterinary Medicine Section of the Oblast Administration of Agriculture).

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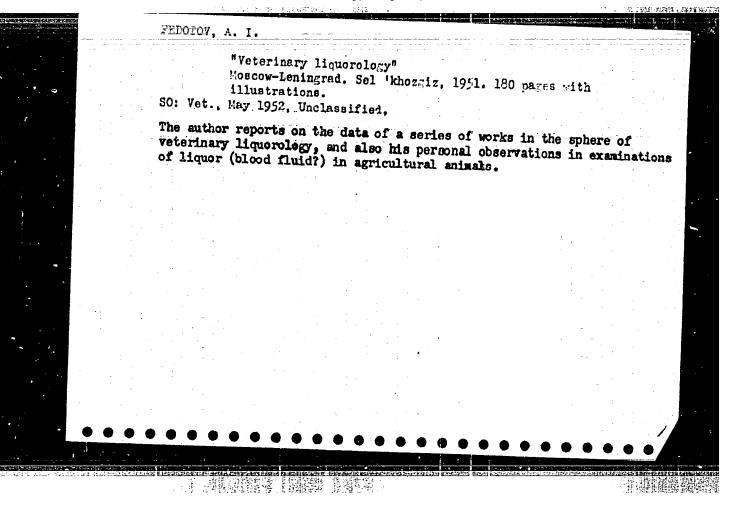
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infectious anemia of horses.*

S0: Vet. 27 (6), 1950, p. 56 CIA-RDP86-00513R0004127

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USSR/Medicine - Infectious Diseases (Veterinary) "Some Data on the Epizootology of Equine Infectious Anemia," Frof A. I. Fedotov, Dr Vet Sci "Veterinariya" Vol XXVIII, No 5, pp 29-32 At isolated farms, epizootics of equine infectious anemia taper off and disappear within 2-3 yrs. Remaining horses are healthy and able to work. Mares which have latent form of the disease give birth to healthy foals.	FEDOTOV, A.	<u> </u>			
"Some Data on the Epizootology of Equine Infectious Anemia," Prof A. I. Fedotov, Dr Vet Sci "Veterinariya" Vol XXVIII, No 5, pp 29-32 At isolated farms, epizootics of equine infectious anemia taper offand disappear within 2-3 yrs. Remaining horses are healthy and able to work. Mares which have latent form of the disease give birth to healthy foals.					
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"Veterinariya" Vol XXVIII, No 5, pp 29-32 At isolated farms, epizootics of equine infectious anemia taper off and disappear within 2-3 yrs. Remaining horses are healthy and able to work. Mares which have latent form of the disease give birth to healthy foals.			USSR/Medicine - Infectious Diseases May 51 (Veterinary)		•
At isolated farms, epizootics of equine infectious anemia taper off and disappear within 2-3 yrs. Remaining horses are healthy and able to work. Mares which have latent form of the disease give birth to healthy foals.			"Some Data on the Epizootology of Equine Infectious Anemia," Prof A. I. Fedotov, Dr Vet Sci		
maining horses are healthy and able to work. Mares which have latent form of the disease give birth to healthy foals.			"Veterinariya" Vol XXVIII, No 5, pp 29-32		
182T75			maining horses are healthy and able to work. Mares which have latent form of the disease give birth to		
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[Study of cerebrospinal fluid in veterinary science] Veterinarnaia likvorologiia. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1951. 179 p. (MIRA 15:3) (CEREBROSPINAL FLUID)

SEDOTOV, A. I.

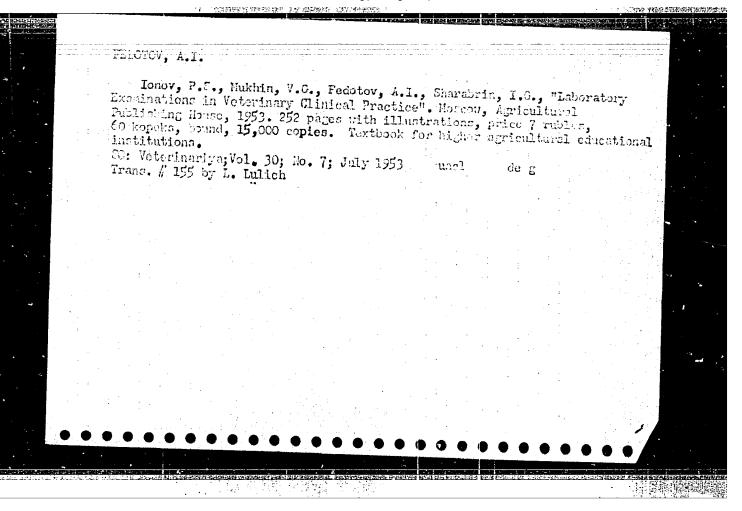
LENINGRAD PROVINCE-VETERINARY BACTERIOLOGY

Best inter-district veterinary and bacteriological laboratory of Leningrad Province. Veterinaria 29 No. 7, 1952 July, p. 7-10

(NOTE: same article listed in CTS # 49, 27 Nov 53 - U-4810)

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

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USSR / Diseases of Farm Animals. General Problems.

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Abs Jour

: Ref Zhur - Biol., No 22, 1958, No 101325

Author

: Fedotov, A. I.

Inst

: Turkmen Agricultural Institute.

Title

: The Procurement of Live Bone Marrow Specimens from Farm

Animals.

Orig Pub

: Tr. Turkm. s.-kh. in-tn, 1957, 9, 235-258.

Abstract

: The technique of sternal puncture performed in the area of the first 3 segments of the sternum is described. -- I. I.

Magda.

Card 1/1

USSR / Diseases of Farm Animals: Diseases Caused by Viruses and Rickettaiao! Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No: 7440 Author Fedotov, A. I. Inst : Turkmen Institute of Agriculture Title : Hemosiderocytes in the Peripherial Blood in Spontaneous and Experimental Processes of Infectious Anemia in Horses Orig Pub : Tr. Turkm. s.-kh. in-ta, 1957, 9, 269-275 : Hematologic examinations which were systematically Abstract conducted by the author with the methods described by him in order to discover hemosiderocytes (H) in horses sick with infectious anemia (IA) (29), other diseases (36) and completely healthy (57), showed that in cases of acute and subacute IA forms H appear in the blood on the 11th - 12th day of sickness and are preserved in a quantity of 3 - 4 in 80 fields of vision Card 1/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041272

USSR / Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

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Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7440

until death of the animals occurs. In chronic IA processes, H quantity may become increased to 10 - 14 and more in 80 fields of vision depending upon the resistance of the organism and the remoteness of the completed relapse. In other diseases H is only found in cases of nuttalliosis, pneumonia and in surgical processes; hemosiderocytes were absent in healthy horses. -- L. S. Goberman

Card 2/2

13

Peptone therapy and its theoretical prerequisites for use in veterinary practice. Veterinaria 36 nc.12:42-45 D '59.

(HIRA 13:3)

(Peptones-Therapeutic use)

FEDOTOV, A.I. (Doctor of Veterinary Sciences, Professor of the Yakutsk Agricultural Institute).

"Hemosiderocytes in the peripheral blood of horses in cases of infectious anemia..." $\ensuremath{^{"}}$

Veterinariya, vol. 39, no. 3, March 1962 pp. 23

· L 35841-66

ACC NR. AP6015345

SOURCE CODE: UR/0119/66/000/005/0026/0027

AUTHOR: Fedotov, A. I. (Candidate of technical sciences); Kublanov, B. M.

(Engineer)

ORG: none

2 B

TITLE: Ten-digit contact printer

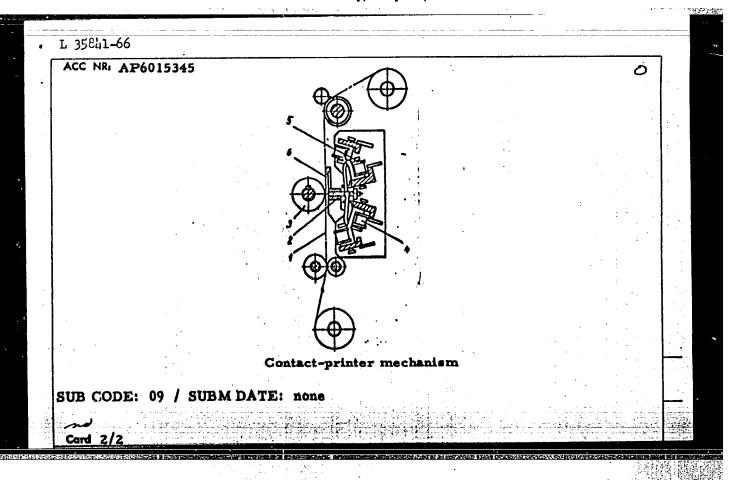
SOURCE: Priborostroyeniye, no. 5, 1966, 26-27

TOPIC TAGS: printer, contact printer, digit printer

ABSTRACT: A new contact printer with rotating type wheels has been developed in the North-Western Polytechnic Institute. Paper strip 1 (see figure) travels between striking hammer 2 and type wheel 3. The hammer strikes when electromagnet 4 receives a pulse; spring 6 restores the hammer position. The printer controlled by a computing-storage device is intended for operation with raster or interference-type transducers which measure strains, variation of linear dimensions, etc. The printer produces up to 20 lines per min. Its kinematic diagram and principal connection diagram are presented. Orig. art. has: 3 figures.

Card 1/2

UDC: 681.142.623



FEDOTOV, A.I.; ALEKSEYEV, M.V., inzh., rukovoditel' diplomnogo proyekta

Preventive measures in the production of vinyl chloride. Pozh.
bezop. no.3:21-27 '64.

(HIRA 18:5)

FEDOTOV, A.M.				3
	USSR/Medicine - Cholinesterase Activity Activity "The Neurohumoral Dynamics of Scarlet Fever," A. M. Fedotov, V. P. Braginskaya, T. S. Krasavina, Dept of Pathology and Infectious Diseases Clinic, Inst Pediatry, Acad Med Sci USSR	Pediat, No 6, pp 34-38 At the peak of acute manifestations of scarlet fever, high sympathomimetic activity of the blood, absence or low concn of acetylcholine (I), and increased cholinesterase activity of the serum are increased cholinesterase activity of the serum are	are observed in most patients. Parasympathetic activity of the blood is exerted during the acute period when the acute processes taper off and there are suppurative complications or aggravations of chronic tonsillites, otites, etc. In the post-febrile period, there is a pronounced lowering of the sympathomimetic activity of the blood, an increase in the level of I, and often lowering of cholinesterase activity of the serum and of catalase activity of the erythrocytes. Later in	the course of the disease there may be a secondary increase in the sympathomimetic activity of the blood accompanied by a drop in the level of I.
		전 30일 시간 19 독립 1 년 1		。

KOCHERGIN, G.; CHEREMBYKH, M.; KONONTSEV, I.; HALIOVANOV, D.; HALEVICH, M.;
RATS, A.; LESIK, M.; KHOKHLOVKIH, D.; FEDOTOV, A.

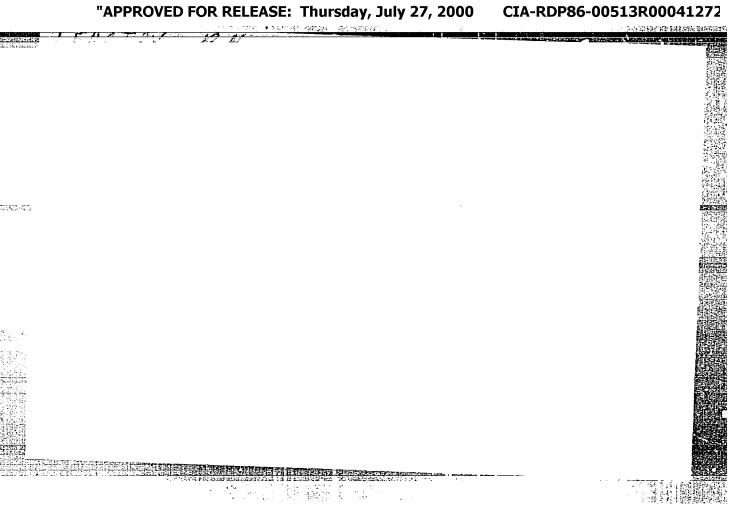
Remarks on the book "Machines and equipment in mining." Vol. 1. "Mining equipment." F.G.Boiko and others. Reviewed by G.Kochergin, M.Cheremykh, I.Konontsev, D.Maliovanov, M.Malevich, A.Rats, M.Lesik, D.Khokhlovkin, A.Fedotov. Ugol' 29 no.11:46-48 '54. (MLRA 7:11)

1. Glavnyy mekhanik Upravleniya po stroitel'stvu shakht v Donbasse Pinisterstva ugol'noy promyshlennosti SSSR (for Kochergin). 2. Glavnyy konstruktor Glavstroymekhanisatsii (for Cheremnykh). 3. Machal'nik otdela novykh mashin GUXS (for Konontsev). 4. Direktor instituta Giproshakhtostroymash (for Maliovanov). 5. Glavnyy inshener Giproshakhtostroymasha (for Malevich). 6. Machal'nik otdelov Giproshakhtostroymasha (for Rats, Lesik & Khokhlovkin). 7. Glavnyy konstruktor Giproshakhtostroymasha (for Fedotov).

(Coal -- Mining machinery) (Boiko, F.G.)

MALEVICH, N.A., kandidat tekhnicheskikh nauk; FEDOTOV, A., inshener.

V.K.Buchnev's book "The parameters of boring and blasting operations in the practice of progressive miners." Reviewed by W.A.Malevich, A.Fedotov. Ugol' 31 no.1:47-48 Ja '56. (Mining engineering) (Buchnev, V.K.) (MIRA 9:4)



MALIOVANOV, D.I., kandidat tekhnicheskikh nauk; Eurosov, M., inshener.

Equipment for dry dust collection in borehole drilling. Ugol'
31 no.6:20-23 Je '56. (MERA 9:8)

1. Giproshakhtostroymash.
(Boring machinery) (Mine dusts)

LESIK, M.P., inshener; FEDOTOV, A.M., inshener. Highly productive PR-25 hemmer drills. Shakht.stroi. no.1:17 (MIRA 10:7) Ja 157. (Boring machinery)

Photon A.N. Photon tic hammer drills in foreign countries. Gor. shmr. no.1:49-57 Ja '57. 1. Giproshakhtostroymash. (Rock sylls)

Rotation-harmer hole drilling in foreign countries. Gor. shur.
no.4:33-42 Ap '57.
(Rock drills)

(Rock drills)

FEDOTOV, A.N., inzhener.

New pneumatic mounting and feeding columns for rock drills. Shakht.stroi. no.9:16-19 S '57. (MIRA 10:10)

1.Gosudarstvennyy preyektno-konstruktorskiy institut po proyektirovaniyu novykh mashin i mekhanismov dlya gornoproproyektirovama, khodcheskikh rabot.

(Rock drills--Pneumatic driving)

FEDOTOV, A.N.

AUTHOR:

Fedotov, A.N., Engineer

127-12-24/28

TITLE:

On the Article of R.P. Rzhondkovskiy "Air-Regulating Devices of Modern Drills" (Na stat'yu R.P. Rzhondkovskogo "Vozdukhoraspredelitel'nyye ustroystva sovremennykh perforatorov")

PERIODICAL:

Gornyy Zhurnal, 1957, No 12, pp 69-70 (USSR)

ABSTRACT:

This note is a review of R.P. Rzhondorskiy's article published in the Gornyy Zhurnal, 1957, No 1. The reviewer critices the definitions of the terms "valve" and "slide" proposed by Rzhondkovskiy and holds that the formulation given only adds to the confusion existing in technical literature on drills. Taking into account that distinctions between valves and slides are not always explicit, the reviewer is of the opinion that only the term "valve" should be used in every-day life and technical documentation, although in technical literature, valves and slides should be described separately. The reviewer holds that the article under consideration does not contain any new technical or scientific data, and its publication was not justified.

ASSOCIATION:

Institute "Giproshakhtostroymash".

AVAILABLE:

Library of Congress

Card 1/1

CIA-RDP86-00513R000412720 APPROVED FOR RELEASE: Thursday, July 27, 2000

AUTHOR:

Fedotov, A.N., Engineer

127-58-4-8/31

TITLE:

Working Characteristics of High-Speed Percussion Perforators (Ob ekspluatatsionnykh kharakteristikakh bystroudarnykh perforatorov)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 4, pp 30-35 (USSR)

ABSTRACT:

The increase in mechanical speed of drilling blast holes and decrease of time for secondary operations are the basic ways to increase labor productivity. By graphic determinations, the author (Graph 1) describes the interdependence of conditions that give the best results with various perforators. There are 4 graphs, 2 tables, and 16 references, 15 of which are Soviet, and 1 German.

ASSOCIATION: Giproshakhtostroymash

Card 1/1 1. Drilling machines - Operation 2. Mines - Equipment

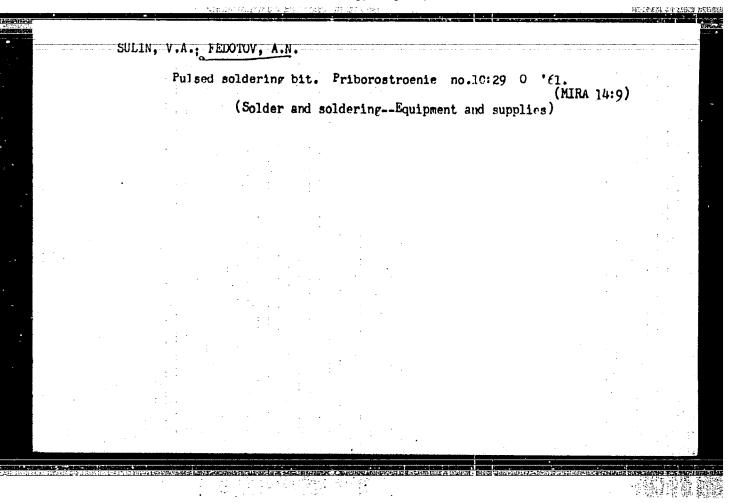
MALIOVAHOV, D. I., kand. tekhn. nauk; FEDOTOV, A. H., inzh.			
	Selecti	ng PUR-3 dust collector paramete	rs. Ugol' 33 no.4:20-24 (MIRA 11:4)
	Ap 158	(Mine dusts) (Dust collectors	(HIAA 11:4)
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PEDOTOV, A. N., Candidate Tech Sci (diss) -- "Investigation of the factors affecting the selection of the parameters of a drill hammer with a pneumo-column". Moscow, 1959. 18 pp (Min Higher Educ USSR, Moscow Mining Inst im I. V. Stalin), 150 copies (KL, No 24, 1959, 142)

FEDOTOV, A.H., kand.tekhn.nauk; KOROL', L.B., insh.

Blast holes should be bored using highly efficient light drill rigs. Shakht.stroi. no.11:8-10 N '59. (MIRA 13:3)

1. TSentral'nyy nauchno-issledovatel'skiy inatitut podsemshakhtostroy. (Rock drills)



FEDOTOV, A.N., kand.tekhn.nauk

Eliminate sickness due to vibration in workers engaged in blast hole drilling. Bezop. truda v prom. 5 no. 5:8-11 My '61. (MIRA 14:5) (Miners-Diseases and hygiene)

FEDOTOV, A.N., kand. tekhn. nauk; KOROL', L.B., inzh.

Choosing the parameters of a lightweight drilling rig. Shakht. stroi. 5 no.9:14-17 S '61. (MIRA 16:7)

1. Vsesoyusnyy institut nauchnoy i tekhnicheskoy informatsii Gosudarstvennogo komiteta Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot i AN SSSR (for Fedotov).

2. TSentral'nyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut podzemnogo shakhtnogo stroitel'stva (for Korol').

(Boring machinery)

KAPELYUSHNIKOV, German Isaakovich; KLITSUNOV, Viktor Igant'yevich; MANEVICH, Veniamin Fayvovich; PANKRATOV, Yu.A., inzh., retsenzent; ZASADYCH, B.I., retsenzent; FEDOTOV, A.N., otv. red.; OKHRIMENKO, V.A., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Safety measures in underground coal mining] Tekhnika bezopasnosti pri podzemnoi dobyche uglia. Moskva, Gos. nauchnotekhn. izd-vo lit-ry po gornomu delu, 1962. 503 p.

(MIRA 15:4)

(Coal mines and mining—Safety measures)
(Coal miners—Diseases and hygiene)

Some considerations on the technical basis of the development of scientific and technical libraries. NTI no.6:3-5 '63.

(MIRA 17:1)

FEDOTOV, Anton Nikolayevich. kand. ****hm. nauk; KOROL*, Lev
Borisovich, inzh.

[Rock drills on pneumatic supports; light boring rigs]
Perforatory na pneumopodderzhkakh; legkie burovye ustanovki. Moskva, Nedra, 1965. 219 p. (MIRA 18:9)

FEDOTOV, A.P., gornyy inshener.

Mining above and under seams subject to sudden ejections. Ugol' 29 no.12: 17-21 D'54. (MEA 8:1)

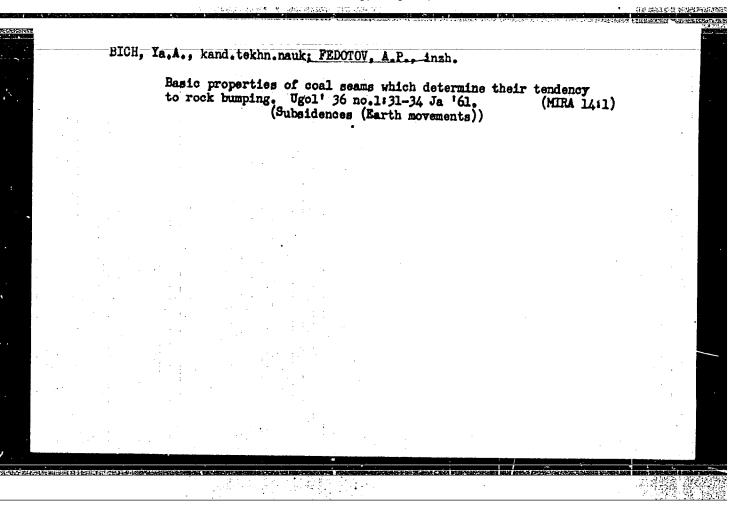
1. Vsesoyusnyy nauchno-issledovatel'akiy markeleyderskiy institut. (Coal mines and mining) (Mine gases)

FEDOTOV, A. P., CAND TECH SCI, "INVESTMENTED OF THE LITURAL LITTLE OF COAL AND ROCK WITH THE MANIFESTATION OF MANY DEPOSITS."

LENINGRAD, 1960. (MIN OF HIGHER AND SEC SPEC ED RSFSR.

LENINGRAD MIN INST IN G. V. PLEKHANOV). (KL, 2-61, 213).

-192-



FEDOTOV, A.P., kand. tekhn. nauk

Study on models of the stress state of a massif near workings and interpreting the results obtained. [Trudy] VNIMI no.48:58-65 '62. (MIRA 16:6)

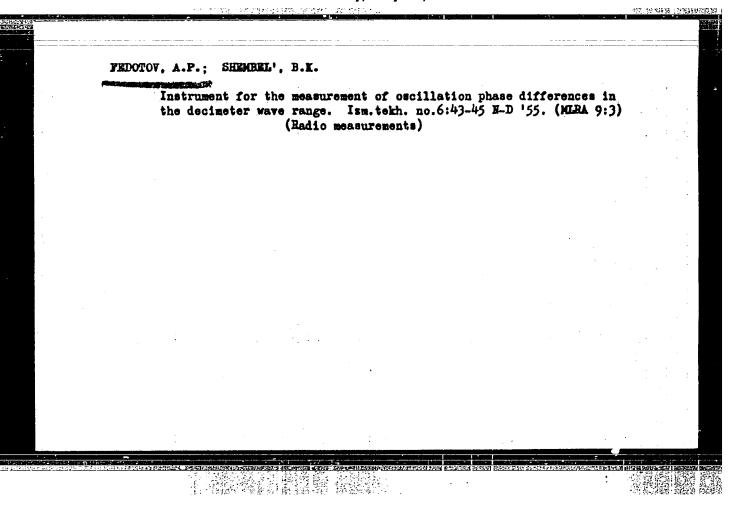
1. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut.

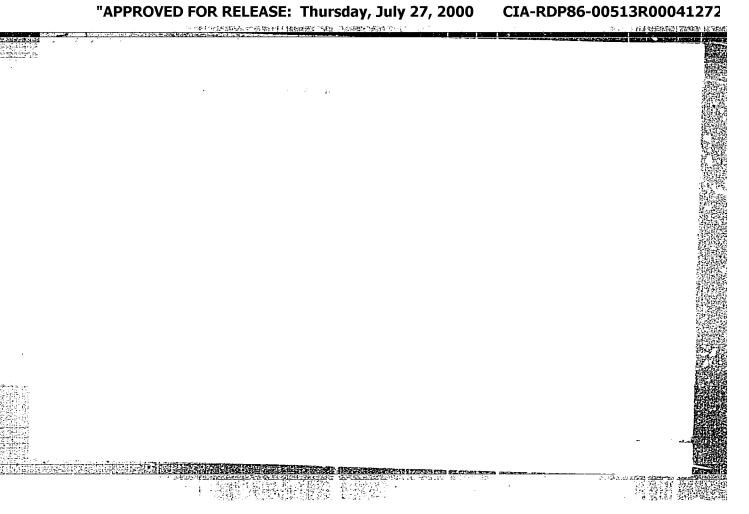
(Rock pressure)

GOBOV, G. V.; KALIMBET, A. Z.; FEDOTOV, A. P.; SHEREMET'YEV, G. D.

Polarization of quasi-linear luminescence spectra of perylene in an electric field at 77°K, Opt. i spektr. 13 no.6:879 D '62. (MIRA 16:1)

(Perylene—Spectra) (Electric fields)





AUTHORS: Fedotov. A.P.

Fedotov, A.P. and Shembel!, B.K.

TITLE:

Preliminary Excitation of the Resonator of a Linear

Accelerator Which is Fed from Oscillators

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika,

1960, No.3, pp.350-358

Many linear accelerators of heavy particles consist of a high-Q resonator which is fed from a group of oscillators through short sections of transmission lines. However, a system of this type can operate at many frequencies. Consequently, for the purpose of obtaining stable oscillations in the resonator, a quenching resistance is included in the transmission line (Ref.1 and 2), but a large portion of the oscillator power is lost in this The losses can be reduced by using the pre-excitation resistance. of the accelerator, this being done by means of an auxiliary oscillator at the principal oscillation mode. The problem of feeding the accelerators is analysed in detail. The system can be represented by the equivalent circuit shown in Fig.1, where an oscillator is represented by parameters ε and R_1 . Card 1/7

Preliminary Excitation of the Resonator of a Linear Accelerator Which is Fed from Oscillators

assumed that the natural frequencies of the resonator and of the tuned circuit of the oscillator are equal (f_0) and that the transmission line of length ℓ is lossless. The coupling between the transmission line and the resonator of the accelerator is characterized by

$$\sigma = \frac{G_0}{G_p/n^2}$$

where Go is the wave admittance of the line, Gp is the equivalent to the resonator and 1/n is the transformation ratio for the input of the resonator. The coupling between the line and the resonant circuit of the oscillator is defined by

$$\eta_O = \frac{m^2 G_O}{m^2 G_O + G_K}$$

where one of m is the transformation ratio for the energy input.

Preliminary Excitation of the Resonator of a Linear Accelerator Which is Fed from Oscillators

The efficiency of the whole system η is defined as the ratio of the power in the resonator and the circuit of the oscillator. The system is further characterized by the stabilization coefficient for the oscillator which is equal to the ratio of the frequency change due to the influence of various effects in the absence of an external circuit to the frequency change due to the same parameters in the presence of the external circuit. The stabilization coefficient is defined by

$$K_{C} = 1 + \frac{\frac{dB_{B}}{d\delta}}{\frac{dB_{K}}{d\delta}}$$
(3)

where B_K is the susceptance of the resonant circuit. By is the susceptance and δ is the detuning of the system from fo. If the quenching conductance G_F in the system is represented by Fig.1, a single-frequency system is obtained for $G_F = 0$. When $\frac{1}{4} = k\lambda/2$, Card 3/7

Preliminary Excitation of the Resonator of a Linear Accelerator Which is Fed from Oscillators

 B_{B} is expressed by Eq.(5), where Q_{K} is the quality factor of the resonant circuit of the oscillator without load and $Q_{\mathbf{p}}$ is the quality factor of the resonator without load. BK is expressed by Eq. (7) so that the full susceptance at points k/kof Fig.l is given by Eq. (7). The stabilization coefficient is therefore given If the length of the line is $\& = (2k + 1) \lambda_0/4$, by Eq. (8). stabilization coefficient is expressed by Eq.(9). From Eq.(8) and (9) it is seen that at fo, the stabilization coefficient is greater than unity for $\ell = k\lambda/2$ and less than unity for $\ell = (2k + 1)\lambda/4$, Thus, in the first case the external circuit has a stabilizing effect on the oscillator, whilst in the second case it destabilizes the system. Instead of the oscillator it is possible to use a resonant amplifier with an independent drive. This can be coupled fairly strongly with the resonator of the accelerator. Now the remaining oscillators can be operated at the required frequency which is determined by the amplifier (pre-exciter). This feeding system is analysed in some detail and the results are illustrated Card 4/7

Preliminary Excitation of the Resonator of a Linear Accelerator Which is Fed from Oscillators

in Fig.3. This shows the change of the input conductance of the pre-exciter line as a function of the coupling coefficient between the line and the resonator. It is seen that it is possible to choose such a coupling coefficient between the pre-exciter line and the resonator that the change of the input conductance in the line is comparatively small when the oscillators are connected to the When a quenching resistance is used in the system, $(G_F \neq 0)$ is present, the susceptance of the external circuit at point k/k of Fig.1 is given by Eq.(10) where $2p = 2\pi (\xi_0/\lambda)$ and $g_{p} = (G_{p})/(G_{0})$. By analysing this expression together with the expression for B_K , it is found that with a high Q_p and a short transmission line it is nearly always possible to make the system operate at a single frequency. The resonance of the system of Fig.1 is achieved when $B_B = -B_K$. Graphically the resonance can be determined by the point of intersection by the curves representing Eq.(6) and (10). It is of interest to determine the pull-in bandwidth of the oscillator which operates

Card 5/7

Preliminary Excitation of the Resonator of a Linear Accelerator Which is Fed from Oscillators

with the quenching resistance. The pull-in bandwidth for a single-frequency is defined as a range of the oscillation frequency which lies inside the passband of the resonator $(1/2 Q_D)$. pull-in bandwidth is given by Eq.(11), provided the stabilization coafficient of the system is greater than a certain limiting value. The pull-in bandwidth was investigated experimentally and the results are illustrated in Fig.5. From the curves of Fig.5, it is seen that the measured pull-in bandwidth was $0.15/Q_{\rm K}$ while the calculated bandwidth for this case was $0.27/Q_{\rm K}$. The operation of a pre-exciter oscillator with a quenching resistance and an oscillator was investigated experimentally. The power supplied by the pre-exciter was 7W and that of the oscillator was 11.2W. The coupling lines for each system were the same. It was found that a stable oscillation was possible when the power received by the resonator was 15 W and the power dissipated in the quenching resistance was 2,4 W. It is concluded therefore that this system has some advantages in comparison with the method based on a Card 6/7

Preliminary Excitation of the Resonator of a Linear Accelerator Which is Fed from Oscillators

pre-exciter using a resonance amplifier with an independent drive. V.V.Polyakov and V.G Sud'yev helped in the experimental work described in the article. Various methods of pre-excitation were discussed with L.I.Bolotin, V.M.Ovsyannikov, V.I.Volkov and others. There are 5 figures and 8 references: 4 Soviet and 4 non-Soviet (one of which is translated into Russian).

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR

(Institute of Physical Chemistry AS USSR)

SUBMITTED: May 15, 1959 (to NDVSh - Radiotekhnika i elektronika)

February 4, 1960 (to IVUZ - Radiotekhnika)

Card 7/7

9.4200 (also 1163)

21/13/1 5/109/61/006/001/013/023 E140/E163

AUTHORS:

Fedotov, A.P., and Shembel', B.K.

TITLE:

Linear accelerator resonator as a load for

high-frequency oscillators

PERIODICAL: Radiotekhnika i elektronika, Vol.6, No.1, 1961,

pp. 108-116

In linear standing wave accelerators heavily loaded by TEXT: the beam of accelerated particles, the latter affects the amplitude and phase of the accelerating field in the resonator and the impedance presented to the high-frequency power supply. the other hand, the amplitude and phase of the accelerating field determine capture of the particles in the resonator and thus the current in the accelerated particle beam. Interactions between the generator and the resonator are very strong and it has been proposed that at high beam loading the generator-accelerator system can be unstable. To investigate this problem the equivalent circuit of the system is considered. An experimental model of an accelerator consisting of a single-gap klystron buncher and a basic resonator was used. The apparatus is shown schematically in Card 1/5

21434

S/109/61/006/001/013/023 E140/E163

Linear accelerator resonator as a load for high-frequency oscillators

Fig. 1, where the following notation is used: 1 - electron gun; 2 - buncher; 3 - basic resonator; 4 - energy spectrum analyzer; 5 - field amplitude indicator; 6 - phase meter; 7 - slotted line; 8 - frequency multiplier channel exciter; 9 - power division bridge; 10 - intermediate generator; 11 - final generator; 12 - phase inverter; 13 - auxiliary generator; 14 - attenuator; 15 - vacuum envelope (steel tube). The model satisfies two requirements: the power transferred by the basic resonator field to the beam constitutes a substantial portion of the power fed in (i.e. the basic resonator of the accelerator has a high efficiency) and the resonator is "long", i.e. the particles accelerated in it complete more than a period of oscillation. The equivalent circuit and the vector diagrams of the accelerator resonator loaded by the beam are given in Fig. 2. Here ϵ and R_1 are generator parameters, I_p is the resonator current, R_3 is the real component of the unloaded resonator impedance and I_n is the beam current. The input impedance and stability conditions Card 2/5

21434 S/109/61/006/001/013/023 E140/E163

Linear accelerator resonator as a load for high-frequency oscillators

are found. Acknowledgements are expressed to Yu.K. Solodkov, N.P. Popov, Ye.A. Sidorov, V.B. Stepanov and A.D. Grishin for their participation in the experimental part of the work, and to V.A. Teplyakov and G.M. Anisimov for advice. There are 6 figures, 1 table and 9 references: 8 Soviet and 1 English.

SUBMITTED: May 3, 1960

Card 3/5

24879

S/109/61/006/007/019/020 D262/D306

9.4220

Fedotov, A.P., and Teplyakov, V.A.

TITLE:

AUTHORS:

Requirements as to magnetic field amplitude and phase stability in resonant cavities of linear accelerators

PERIODICAL: Radiotekhnika i elektronika, v. 6, no. 7, 1961, 1205 - 1206

TEXT: Since the instability of amplitude and phase of magnetic fields in linear accelerators leads to the instability of longitudinal motion of the particle it should be reduced as much as possible. The authors are aware of one published work only dealing with this problem (Ref. 1: I.L. Zel'manov, A.S. Kompaneyets, Statisticheskiy razbroz faz v sisteme nezavisimykh rezonatorov (Statistical Spread of Phases in a System of Independent Resonators) Otchet IKhF, AN SSSA, 1953). In the present short article the authors determine analytically the maximum phase and amplitude deviations allowed in an accelerating system of long resonators. A single long

Card 1/4